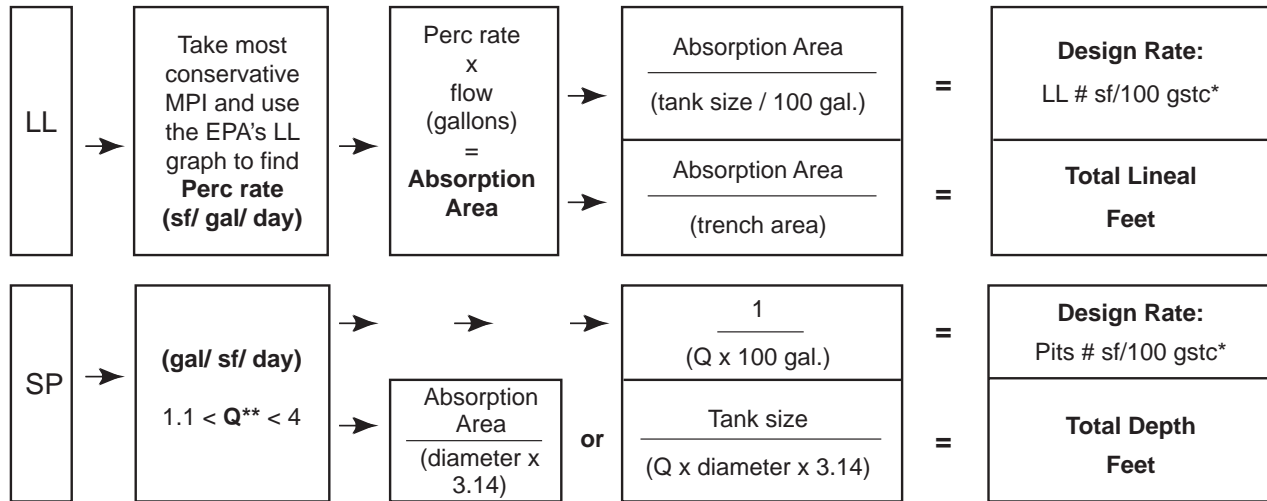


How to Calculate for Design Rates, Absorption Area and Total Feet for Engineers and other Percolation Testing / Septic System Designers

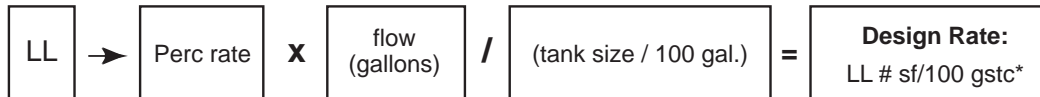
When calculating for Design Rates using Perc Rates and Absorption Area:



LL: (min.) $1.0 < 60$ (max.); (min.) $0.6 < \text{Perc rate} < 2.26$ (max.)

SP: (min.) $1.1 < Q < 4$ (max.) [if caving occurred: $Q < 3$ (max.)]

$MPI < 30$ (max.) → For Lahontan SP only



* County of San Bernardino Design Rates are expressed in units of square feet (sf) per 100 gallons septic tank capacity (gsc).

** For leach lines, you can use the result of the average MPI subtracted from the most conservative MPI. For seepage pits, it is suggested that you used the most conservative Q that falls within the range of 1.1 to 4. If there are Q values greater than 4, then a Q of 4 gallons per square feet (g/sq) is the fastest value that can be chosen to design your septic system.

When calculating for Absorption Area and Total Feet using Design Rates:

